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(54) Title (EN): GAS JETTING DEVICE, ELECTRONIC DEVICE AND GAS JETTING METHOD

(54) Title (FR): DISPOSITIF D'INJECTION DE CARBURANT, DISPOSITIF ÉLECTRONIQUE ET MÉTHODE D'INJECTION DE CARBURANT

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(57) Abstract:

(EN): A gas jetting device capable of effectively dissipating heat generated from an exothermic body while controlling the generation of noise as much as possible; an electric device equipped with the gas jetting device; and a gas jetting method. The gas jetting device (1) has a vibrating body (25). When gas is jetted from nozzles (23, 24) with sound waves produced therefrom, the gas jetting device causes the gas to be jetted as a pulsating flow by the vibrations of the vibrating body (25) in such a manner that the sound waves cancel each other. Further, a controller (20) controls the frequency of the vibrating body (25) to an optimum value to increase the amount of jetting of gas as much as possible while restraining noise, thus allowing the exothermic body to effectively radiate heat.

(FR): Dispositif d'injection de carburant capable de dissiper la chaleur générée par un corps exothermique tout en contrôlant la génération de bruit autant que possible ; dispositif électronique équipé du dispositif d'injection de carburant ; méthode d'injection de carburant. Le dispositif d'injection de carburant (1) a un corps vibrant (25). Quand le carburant est injecté par les gicleurs (23, 24) en produisant des vagues de son, le dispositif d'injection de carburant injecte le carburant en écoulement pulsatoire par les vibrations du corps vibrant (25) de manière à ce que les vagues de son s'annulent. De plus, un contrôleur (20) contrôle la fréquence du corps vibrant (25) à une valeur optimale pour augmenter la quantité de carburant injecté autant que possible tout en limitant le bruit, ce qui permet au corps exothermique d'émettre de la chaleur.

(JA): #####

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